

FORM PTO-1449 (Modified)

ATTY. DOC. NO.
20.2756

SERIAL NO.

LIST OF INFORMATION PROVIDED
BY APPLICANT
(Use several sheets if necessary)

APPLICANT: Andrew Kurkjian et al

FILING DATE:

GROUP

U.S. PAT. NO.
09/994199

11/26/01

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee
JB	AA	6,223,822	05/01/01	Jones
JM	AB	5,627,749	05/06/97	Waterman, et al.
	AC			
	AD			
	AE			
	AF			
	AG			
	AH			
	AI			

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation Yes No	
	AL	✓ WO 01/63094	08/30/01	PCT		
	AM					
	AN					
	AO					

OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.):

JB	AR /	Metal Samples/Cortest by Metal Samples/Cortest Instrument Systems, A Division of Alabama Specialty Products, Inc., undated.
JM	AS /	Metal Samples by Metal Samples Company, A Division of Alabama Specialty Products, Inc.
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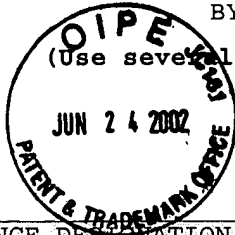
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FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation	
					Yes	No
	AM	GB 2 359 631 A	08/29/01	Great Britain		
	AN	WO 99/00575	01/07/99	PCT		

OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.)

AP Search Report for GB 0129405.7 dated May 24, 2002.

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APPLICANT:
Andrew Kurkjian et al.FILING DATE: 11/26/2001
GROUP 3672
Part of Paper #17

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee
<i>AB</i>	AB	3,780,575	12/25/73	Urbanosky
<i>AC</i>	AC	3,859,851	01/14/75	Urbanosky

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		Document No.	Date	Country	Translation	
					Yes	No
<i>AD</i>	AD	GB 1 495 284 A	12/14/77	Great Britain		
<i>AE</i>	AE	GB 2 344 365 B	01/03/01	Great Britain		

OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.)

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<i>AG</i>	AG	Garrett, R.L., A New Field Method for the Quantitative Determination of Sulfides in Water-Base Drilling Fluids, Journal of Petroleum Technology, Sept. 1977, pp. 1195-1202.
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<i>AI</i>	AI	Volkan, Murvet et al., A Novel Sorbent Tube for Ambient Hydrogen Sulfide Determination, Talanta 47, 1998, pp. 585-593.
<i>AJ</i>	AJ	Suleimenov, O.M. et al., A Spectrophotometric Study of Hydrogen Sulphide Ionisation in Aqueous Solutions to 350°, Geochimica et Cosmochimica Acta Vol. 61, No. 24, 1997, pp. 5187-5198.
<i>AK</i>	AK	Hadden, David M., A System for Continuous On-Site Measurement of Sulfides in Water-Base Drilling Muds, Society of Petroleum Engineers 6664, Tyler, Texas, November 1977, pp. 81-92.
<i>AL</i>	AL	Jeroschewski, P. et al., An Amperometric Microsensor for the Determination of H ₂ S in Aquatic Environments, Analytical Chemistry, Vol. 68, No. 24, December 15, 1996, pp. 4351-4357.

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Andrew Kurkjian et al.

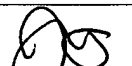
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



REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Patentee
	BA 4,154,659	05/15/79	Zetter

FOREIGN PATENT DOCUMENTS

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	BE	Arowolo, Toyin A. et al., Automated Determination of Sulphide by Gas-Phase Molecular Absorption Spectrometry, Analyst, June 1991, Vol. 116, pp. 595-599.
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REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee
	CA	4,678,756	07/07/87	Parks

FOREIGN PATENT DOCUMENTS

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	CB				

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	CC	Tamaki, Jun et al., CuO-SnO ₂ Element for Highly Sensitive and Selective Detection of H ₂ S, Sensors and Actuators B, 9, 1992, pp. 197-203.
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REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee
	DA	4,994,671	02/19/91	Safinya et al.

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation Yes No
	DB				

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	DD	Font, Joaquim, Determination of Sulfide in the Leather Industry by Capillary Electrophoresis, Journal of Chromatography A, 740, 1996, pp. 125-132.
	DE	Nagashima, K. et al., Determination of Trace Amounts of Sulfide in Human Serum by High-Performance Liquid Chromatography with Fluorometric Detection After Derivatization with 2-Amino-5-N, N-Diethylaminotoluene and Iron (III), Journal of Liquid Chromatography, 18(3), 1995, pp. 515-526.
	DF	Hu, Xiaoya et al., Determination of Trace-Levels of Sulfide by High-Sensitivity Potentiometry with a Carbon Paste Electrode, Analytical Communications, Sept. 1996, Vol. 33, pp. 297-298.
	DG	Brouwer, Henry et al., Diffusion Method for the Determination of Acid-Volatile Sulfides (AVS) in Sediment, Environmental Toxicology and Chemistry, Vol. 13, No. 8, pp. 1273-1275.
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	DI	Schiavon, Gilberto, Electrochemical Detection of Trace Hydrogen Sulfide in Gaseous Samples by Porous Silver Electrodes Supported on Ion-Exchange Membranes (Solid Polymer Electrolytes), Analytical Chemistry, Vol. 67, No. 2, Jan. 15, 1995, pp. 318-323.

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


REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee
	EA	5,289,875	03/01/94	Stokley et al.

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OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.)

	EC	Burke, N.E. et al., Extended Analysis of Live Reservoir Oils by Gas Chromatography, Society of Petroleum Engineers 21003, Feb. 20-22, 1991, pp. 79-87.
	ED	Choi, Martin M.F. et al., Fluorimetric Optode Membrane for Sulfide Detection, Analyst, July 1998, Vol. 123, pp. 1631-1634.
	EE	Cardoso, Arnaldo et al., Fluorimetric Fiber Optic Drop Sensor for Atmospheric Hydrogen Sulfide, Talanta 44 (1997), pp. 1099-1106.
	EF	Jeroschewski, Paul et al., Galvanic Sensor for Determination of Hydrogen Sulfide, Electroanalysis, 6, 1994, pp. 769-772.
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	EH	Vitenberg et al., Gas Chromatographic Determination of Trace Amounts of Sulfur Compounds in Industrial Effluents, Analytical Chemistry, Vol. 49, No. 1, Jan. 1977, pp. 128-133.

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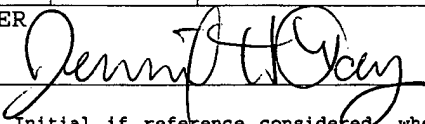
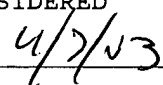
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REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

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	FA	5,859,430	01/12/99	Mullins et al.

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	FF	Eroglu, Ahmet E. et al., Hydrogen Sulfide Determination by Solid Surface Luminescence, Fresenius J. Anal. Chem., 1996, 355, pp. 667-671.
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	FI	Kurosawa, H. et al., Microbial Sensor for Selective Determination of Sulphide, Appl. Microbiol. Biotechnol., 41, 1994, pp. 556-559.

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REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Patentee
	GA 5,635,631	06/03/97	Yesudas et al.

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	GE	Badry, Rob et al., New Wireline Formation Tester Techniques and Applications, SPWLA 34 th Annual Logging Symposium, June 13-16, 1993, pp. 1-16.
	GF	Kuban, Vlastimil et al., Nitroprusside and Methylene Blue Methods for Silicone Membrane Differentiated Flow Injection Determination of Sulfide in Water and Wastewater, Anal. Chem. 1992, 64, pp. 36-43.
	GG	Carlson, M.R. et al., Obtaining PVT Data For Very Sour Retrograde Condensate Gas and Volatile Oil Reservoirs: A Multi-Disciplinary Approach, Society of Petroleum Engineers 35653, pp. 691-706.
	GH	Spaziani, Michelle A. et al., On-line Determination of Sulfide by the 'Methylene Blue Method' with Diode-Laser-Based Fluorescence Detection, Analyst, Dec. 1997, Vol. 122, pp. 1555-1557.
	GI	Narayanaswamy, R. et al., Optosensing of Hydrogen Sulphide Through Paper Impregnated with Lead Acetate, Fresenius Z Anal. Chem., 1988, 329, pp. 789-792.

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REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Patentee
HA	5,529,841	06/25/96	Neihof

FOREIGN PATENT DOCUMENTS

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HB			

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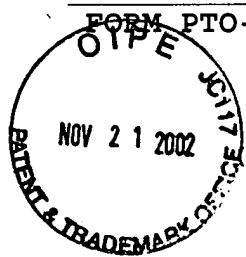
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HH	Kolb et al., Principles of Headspace Analysis, Static Headspace-Gas Chromatography, Theory and Practice, Wiley-VCH, 1997, pp. 1-11.
HI	American Petroleum Institute, Recommended Practice Standard Procedure for Field Testing Water-Based Drilling Fluids, API Recommended Practice 13B-1 (RP 13B-1), First Edition, June 1, 1990, pp. 1-46.

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Examiner Initial		Document No.	Date	Patentee
	IA	5,397,708	03/14/95	Lessard et al.

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	ID	Parrillo, D.J. et al., Separation of Bulk Hydrogen Sulfide - Hydrogen Mixtures by Selective Surface Flow Membrane, AIChE Journal, Sept. 1997, Vol. 43, No. 9, pp. 2239-2245.
	IE	Yashin, A. Ya et al., Simultaneous Determination of Sulfide, Iodide, And Rhodanide by Ion Chromatography with the Use of an Amperometric Detector, Journal of Analytical Chemistry, Vol. 53, No. 4, 1998, pp. 344-346.
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	IG	Feng, Guo-Xiang et al., Solubility of H ₂ S in n-Hexadecane at Elevated Pressure, Canadian Journal of Chemical Engineering, Volume 71, April 1993, pp. 327-328.
	IH	Yokoyama, Chiaki et al., Solubility of Hydrogen Sulfide in Isooctane, n-decane, n-tridecane, n-hexadecane and squalane at Temperatures From 323 to 523 K and Pressures Up to 1.6 Mpa, Fluid Phase Equilibria, 85, 1993, pp. 257-269.
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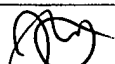
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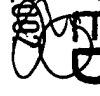


REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Patentee
	JA 5,351,532	10/04/94	Hager

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Translation	
				Yes	No
JB					

OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.)

	JC	Suleimenov, O.M. et al., Solubility of Hydrogen Sulfide in Pure Water and in NaCl Solutions, From 20 to 320°C and at Saturation Pressures, Geochmica et Cosmochimica Acta, Vol. 58, No. 11, pp. 2433-2444.
	JD	Tremper, Kevin K. et al., Solubility of Inorganic Gases in High-Boiling Hydrocarbon Solvents, Journal of Chemical and Engineering Data, Vol. 21, No. 3, 1976, pp. 295-299.
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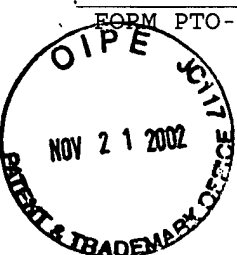
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REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Patentee
	KA	5,337,822	08/16/94
			Massie et al.

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REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee
<i>JO</i>	LA	5,303,775	04/19/94	Michaels et al.

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*Jennifer R. Day**4/7/03*

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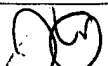
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



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Examiner Initial	Document No.	Date	Patentee
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	MH	Barrett, E.P.S. et al., The Mechanism of Operation of WO ₃ -Based H ₂ S Sensors, Sensors and Actuators, B1, 1990, pp. 116-120.
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	NT	Phillips, B.M., Measurement and Distribution of Interstitial and Overlying Water Ammonia and Hydrogen Sulfide in Sediment Toxicity Tests, Marine Environmental Research, Vol. 44, No. 2, 1997, pp. 117-126.
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